

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of deploying content to mobile client applications, comprising:

accepting inbound messages from a mobile client application running on a mobile client device via a proxy IP /port;

packaging the said inbound messages into an internal message format with an HTTP redirector, wherein the said HTTP redirector, provided at the said mobile client device, accesses a library of mobile services in order to obtain information about a wireless protocol supported by the said mobile client device;

forwarding the said packaged message from said mobile client device to a back-end server over a non-IP protocol network;

receiving a response from a web server;

packaging the said response from said web server into the said internal message format with the said back-end server;

forwarding the said response to the said HTTP redirector; and

transferring the said response to the said mobile client application running on the said mobile client device via the proxy IP /port.

2. (currently amended) The method according to claim 1, wherein:
the said library of mobile services are stored at the said mobile client device.

3. (canceled)

4. (currently amended) The method according to claim 1 wherein:
the said HTTP redirector acts as a client side proxy.

5. (currently amended) The method according to claim 1, wherein:
the said HTTP redirector provides compression of the said inbound
packaged message.

6. (currently amended) The method according to claim 1, wherein:
the said HTTP redirector provides decompression of the said
response.

7. (currently amended) The method according to claim 1, wherein:
the said HTTP redirector unpacks the said packaged response.

8. (currently amended) A method of deploying content to mobile
client applications, comprising:

accepting inbound messages from a mobile client application
running on a mobile client device via a proxy IP/port;

accessing a HTTP redirector acting as a mobile client-side proxy;

packaging the said inbound messages into an internal message
format with the said HTTP redirector;

forwarding the said packaged message to a back-end server via a
message router over a non-IP protocol network;

receiving a response from a Web server over said non-IP protocol
network;

packaging the said response into the said internal message format
by the said back-end server; and

forwarding the said packaged response to the said HTTP redirector
via a message router and a protocol gateway.

9. (canceled)

10. (currently amended) The method according to claim 8, further comprising:

unpacking ~~the~~ said packaged response by ~~the~~ said HTTP redirector; and

transferring ~~the~~ said unpacked response to ~~the~~ said mobile client application running on ~~the~~ said client device via ~~the~~ said proxy IP/port.

11. (canceled)

12. (canceled)

13. (currently amended) A wireless device for communicating with a server via a non-IP protocol wireless network, comprising:

a browser generating a request;

a proxy IP/port; and

a redirector receiving ~~the~~ said request via ~~the~~ said proxy IP/port and packaging ~~the~~ said request with a protocol used by ~~the~~ said non-IP protocol wireless network, wherein ~~the~~ said director accesses a library of mobile services in order to obtain information about ~~the~~ said protocol used by ~~the~~ said non-IP protocol wireless network.

14. (canceled)

15. (currently amended) The device according to claim 13, wherein:

~~the~~ said request is an HTTP request.

16. (currently amended) The device according to claim 13, wherein:

~~the~~ said redirector acts as a client side proxy.

17. (currently amended) A method of communicating HTTP requests over a non-IP protocol wireless network, comprising:

sending an HTTP request from a web browser on a wireless device;

intercepting ~~the~~ said HTTP request with a redirector;

packaging ~~the~~ said HTTP request into a message format used by ~~the~~ said non-IP protocol wireless network with ~~the~~ said redirector wherein ~~the~~ said redirector, provided at ~~the~~ said client device, accesses a library of mobile services in order to obtain information about a wireless protocol supported by ~~the~~ said wireless device;

sending ~~the~~ said packaged request over the wireless network to a proxy server; and

fulfilling ~~the~~ said request from ~~the~~ said proxy server.

18. (currently amended) The method according to claim 17, further comprising:

unpacking ~~the~~ said request and sending ~~the~~ said request to an appropriate web server with ~~the~~ said proxy server.

19. (Currently Amended) The method according to claim 17, further comprising;

sending an HTTP request from a proxy server to an appropriate web server;

receiving a response to ~~the~~ said request;

packaging ~~the~~ said response into a message format used by ~~the~~ said wireless network;

sending ~~the~~ said packaged response to a redirector;

unpacking ~~the~~ said packaged response with said redirector; and

providing ~~the~~ said response to a web browser.

20. (canceled)

21. (canceled)

22. (canceled)

23. (canceled)

24. (canceled)

25. (canceled)

26. (canceled)

27. (currently amended) A computer useable information storage medium storing computer readable program code for causing a computer to perform the steps of:

accepting inbound messages from a mobile client application running on a mobile client device;

packaging ~~the~~ said inbound messages into an internal message format with a redirector wherein ~~the~~ said redirector, provided at ~~the~~ said mobile client device, accesses a library of mobile services in order to obtain information about a non-IP wireless protocol supported by ~~the~~ said mobile client device;

forwarding ~~the~~ said packaged message to a back-end server;

receiving a response from a web server;

packaging ~~the~~ said response into ~~the~~ said internal message format with ~~the~~ said back-end server;

forwarding ~~the~~ said response to ~~the~~ said redirector; and

transferring ~~the~~ said response to ~~the~~ said mobile client application running on ~~the~~ said mobile client device.

28. (currently amended) The computer useable information storage medium of claim 27, wherein:

the said redirector communicates with the said mobile client application via a proxy IP/port.

29. (currently amended) A messaging system, comprising:

a mobile client device having~~[[,]]~~ comprising a web browser~~[[,]]~~
and a redirector communicating with the said web browser, and said redirector
packaging messages from the said web browser into a fundamental non-IP
network protocol;

a Web server;

a plurality of wireless networks~~[[,]]~~ ~~each of which is adapted to~~~~[[,]]~~
communicate messages between the said mobile client device and the said Web
server~~[[,]]~~, and support one or more non-IP wireless network protocols;

a protocol gateway encapsulating the said fundamental non-IP
network protocol, ~~which underlies~~ said fundamental non-IP network protocol
underlining each of the said one or more wireless network protocols; and

a communicator to communicate ~~means for communicating~~
messages between the said web browser and the said Web server~~[[,]]~~ over a
selected said non-IP wireless network protocol through the said protocol
gateway~~[[,]]~~ independent of the a selected wireless network protocol.

30. (currently amended) The messaging system according to claim 29, wherein:

the said Web server is an HTTP proxy server~~[[,]]~~ ~~which is adapted~~
to receive a plurality of HTTP requests from the said mobile client device, send
each the said request over the said Internet to the said server~~[[,]]~~ and transmit a
response corresponding thereto from the said server to the said mobile client
device.

31. (currently amended) The messaging system according to claim 29, wherein:

~~the~~ said HTTP proxy server is adapted to support one or more HTTP protocols.

32. (currently amended) The messaging system according to claim 29, wherein:

~~the~~ said IMP proxy server comprises~~[[:]] means for creating a creator to create~~ a TCP/IP socket connection~~[[:]] and means for managing a manager to manage~~ the said TCP/IP socket connection.

33. (currently amended) The system according to claim 29, wherein:

~~the~~ said redirector at ~~the~~ said mobile client device accesses a library of mobile services in order to obtain information about the said network protocol supported by ~~the~~ said mobile client device.

34. (currently amended) The method according to claim 8, wherein:

the said HTTP redirector, provided at ~~the~~ said mobile client device, accesses a library of mobile services in order to obtain information about a non-IP wireless protocol supported by ~~the~~ said mobile client device.

35. (new) A method of receiving content at a mobile client application, comprising:

receiving HTTP content at said mobile client application over a non-IP protocol network;

redirecting said HTTP content in said non-IP protocol to a content packager;

packing said HTTP content for presentation at said mobile client application; and

presenting said HTTP content said mobile client application.

36. (new) The method according to claim 35, wherein said step of redirecting further comprises:

acting as a client side proxy.

37. (new) The method according to claim 35, wherein said step of redirecting further comprises:

decompressing of said HTTP content.

38. (new) A method of deploying HTTP content to an Internet server, comprising:

deploying HTTP content to said Internet server;

redirecting said HTTP content to a non-IP protocol in a content packager;

packing said HTTP content for presentation to a non-IP network; and

presenting said HTTP content to said non-IP network.

39. (new) The method according to claim 38, wherein said step of redirecting further comprises:

acting as a client side proxy.

40. (new) The method according to claim 38, wherein said step of redirecting further comprises:

compressing of said HTTP content.

41. (new) Apparatus for deploying HTTP content to an Internet server, comprising:

a deployer to deploy HTTP content to said Internet server;

a redirector to redirect said HTTP content to a non-IP protocol in a content packager;

a packager to package said HTTP content for presentation to a non-IP network; and

a presenter to present said HTTP content to said non-IP network.

42. (new) The apparatus according to claim 41, wherein:
said redirector further acts as a client side proxy.

43. (new) The apparatus according to claim 41, wherein:
said redirector compresses said HTTP content.

44. (new) Apparatus for deploying HTTP content to an Internet server, comprising:

means for deploying HTTP content to said Internet server;

means for redirecting said HTTP content to a non-IP protocol in a content packager;

means for packing said HTTP content for presentation to a non-IP network; and

means for presenting said HTTP content to said non-IP network.

45. (new) The apparatus according to claim 44, wherein said means for redirecting further comprises:

means for acting as a client side proxy.

46. (new) The method according to claim 44, wherein said means for redirecting further comprises:

means for compressing of said HTTP content.

47. (new) Apparatus for receiving content at a mobile client application, comprising:

a receiver to receive HTTP content at said mobile client application over a non-IP protocol network;

a redirector to redirect said HTTP content in said non-IP protocol to a content packager;

a packager to package said HTTP content for presentation at said mobile client application; and

a presenter to present said HTTP content said mobile client application.

48. (new) The apparatus according to claim 47, wherein:
said redirector further acts as a client side proxy.

49. (new) The apparatus according to claim 47, wherein:
said redirector decompresses said HTTP content.

50. (new) Apparatus for receiving content at a mobile client application, comprising:

means for receiving HTTP content at said mobile client application over a non-IP protocol network;

means for redirecting said HTTP content in said non-IP protocol to a content packager;

means for packing said HTTP content for presentation at said mobile client application; and

means for presenting said HTTP content said mobile client application.

51. (new) The apparatus according to claim 50, further comprising:
means for acting as a client side proxy.

52. (new) The apparatus according to claim 50, further comprising:
means for decompressing of said HTTP content.